

Carbon Scrubber Hydrogen Sulfide Removal Performance – 3Q FY08/09

File: OC.RS

Location	Capacity	Model	System	Date	Inlet H2S (ppm)	Outlet H2S (ppm)
LA CIENEGA-JEFFERSON AQMD Allowable Limit: 1.0 ppm	10,000 cfm	US Filter	ECIS	03/27/09	11.00	0.026
				03/17/09	1.20	0.005
				03/09/09	0.55	0.003
				03/02/09	17.00	0.026
				02/23/09	7.60	0.006
				02/18/09	4.90	0.006
				02/02/09	5.20	0.002
				02/02/09	6.80	0.029
				01/26/09	0.55	0.016
				01/20/09	7.60	0.016
				01/12/09	6.30	0.009
				01/05/09	4.80	0.040

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****MISSION - JESSE**

10,000 cfm

US Filter

ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/31/09	6.50	0.006
03/27/09	3.90	0.001
03/16/09	3.80	0.011
03/09/09	1.40	0.002
03/02/09	8.20	0.032
02/23/09	0.39	0.002
02/18/09	1.00	0.004
02/09/09	4.20	0.003
02/02/09	6.10	0.021
01/26/09	7.60	0.018
01/20/09	6.90	0.007
01/12/09	9.70	0.031
01/05/09	6.10	0.021

Location

Capacity

Model

System

Date

**Inlet
H2S (ppm)**

**Outlet
H2S (ppm)**

**North Outfall Treatment
Facility**

10,000 cfm

US Filter

WLAIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)

Unit Disconnected 08/05/08

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****RADFORD - WOODBRIDGE**

5,000 cfm

Barneby

NOS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/31/09	0.68	0.004
03/27/09	0.32	0.009
03/17/09	0.11	0.009
03/09/09	0.59	0.002
03/02/09	0.26	0.002
02/23/09	0.38	0.002
02/20/09	0.62	0.005
2/9/2009	0.60	0.008
2/2/2009	0.35	0.006
1/26/2009	0.15	0.006
1/20/2009	0.57	0.002
1/12/2009	0.44	0.005
1/5/2009	0.16	0.006

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****RODEO - MLK**

5,000 cfm

Barneby

Maze

AQMD Allowable Limit: 0.6 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/31/09	13.0	0.008
03/27/09	7.1	0.002
03/17/09	3.6	0.003
03/09/09	4.2	0.005
03/02/09	0.3	0.012
02/23/09	6.2	0.004
02/18/09	5.8	0.004
02/12/09	6.3	0.006
02/02/09	15.0	0.003
01/26/09	6.1	0.007
01/20/09	11.0	0.028
01/12/09	12.0	0.011
01/05/09	7.3	0.011

Location**TRAFFIC ISLAND (Rodeo and Jefferson)**

AQMD Allowable Limit: 1.0 ppm

Capacity

10,000 cfm

Model

US Filter

System

NCOS

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/31/2009	1.10	0.004
3/27/2009	4.90	0.002
3/17/2009	6.40	0.002
3/9/2009	4.60	0.003
3/2/2009	0.21	0.007
23-Feb	0.16	0.002
20-Feb	3.90	0.007
2/9/2009	4.20	0.008
2/2/2009	4.70	0.004
1/26/2009	2.90	0.004
1/20/2009	4.70	0.004
1/12/2009	2.80	0.007
1/5/2009	7.00	0.006

Location

Capacity

Model

System

Date

**Inlet
H2S (ppm)**

**Outlet
H2S (ppm)**

23RD AND SAN PEDRO

10,000 cfm

US Filter

ECIS

AQMD Allowable Limit: 1.0 ppm

Date	Inlet H2S (ppm)	Outlet H2S (ppm)

Unit Disconnected 08/04/08

Location**BALLONA CREEK**

AQMD Allowable: 0.14 ppm

Capacity

5,000 cfm

Model

Cameron

System

Marina

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/31/2009	0.79	0.003
3/27/2009	0.86	0.001
3/17/2009	0.70	0.003
3/9/2009	0.42	0.002
3/2/2009	1.20	0.009
23-Feb	0.08	0.004
2/18/2009	0.42	0.004
2/9/2009	0.55	0.004
2/2/2009	0.37	0.002
1/26/2009	0.60	0.003
1/20/2009	0.37	0.002
1/12/2009	0.36	0.004
1/5/2009	0.42	0.006

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****Genesee**

AQMD Allowable: 1.0 ppm

5,000 cfm

Barneby

LCSFVRS

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/31/09	0.68	0.006
3/27/09	0.47	0.007
3/17/09	0.12	0.002
3/9/09	0.15	0.003
3/2/09	0.33	0.002
2/23/09	0.54	0.015
2/18/09	0.43	0.004
2/9/09	0.81	0.002
2/2/09	0.52	0.005
1/26/09	0.11	0.002
1/20/09	0.48	0.004
1/12/09	0.70	0.004
1/5/09	0.70	0.007

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****Dacotah**

AQMD Allowable: 1.0 ppm

3,000 cfm

US Filter

Pump
Plant

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/31/09	0.17	0.012
03/26/09	1.09	0.014
03/16/09	0.21	0.048
03/09/09	0.76	0.004
03/02/09	0.21	0.010
02/23/09	0.81	0.007
02/09/09	0.60	0.006
02/02/09	0.18	0.016
01/26/09	0.49	0.002
01/20/09	0.69	0.005
01/12/09	0.16	0.004
01/05/09	0.51	0.017

Location**Humboldt**

AQMD Allowable: 1.0 ppm

Capacity

10,000 cfm

Model

US Filter

System

NEIS

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
03/31/09	0	0
03/26/09	0.004	0.003
03/16/09	0.26	0.001
03/09/09	0.14	0.003
03/02/09	1.70	0.009
02/23/09	2.00	0.002
02/18/09	2.90	0.004
02/02/09	0.27	0.013
02/02/09	2.80	0.008
01/26/09	0.05	0.005
01/20/09	3.70	0.003
01/12/09	2.80	0.009
01/05/09	3.10	0.009

Location**Capacity****Model****System****Date****Inlet
H2S (ppm)****Outlet
H2S (ppm)****NORS**

AQMD Allowable: 1.0 ppm

10,000 cfm

US Filter

NORS/ECIS

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/31/2009	12.00	0.003
3/27/2009	8.20	0.002
3/17/2009	9.00	0.002
3/9/2009	1.30	0.004
3/2/2009	20.00	0.006
2/23/2009	10.80	0.004
2/18/2009	5.10	0.006
2/9/2009	2.90	0.002
2/2/2009	4.80	0.004
1/26/2009	2.90	0.004
1/21/2009	4.90	0.004
1/12/2009	5.70	0.007
1/5/2009	6.30	0.011

Location**Richmond**

AQMD Allowable: 1.0 ppm

Capacity

10000 cfm

Model

US Filter

System

NEIS

Date**Inlet
H2S (ppm)****Outlet
H2S (ppm)**

Date	Inlet H2S (ppm)	Outlet H2S (ppm)
3/31/09	0.130	0.006
3/26/09	13.000	0.014
3/16/09	0.140	0.002
3/9/09	1.800	0.004
3/2/09	5.900	0.014
2/23/09	3.000	0.004
2/18/09	6.100	0.008
2/9/09	8.800	0.009
2/2/09	7.200	0.008
1/26/09	6.100	0.004
1/20/09	0.540	0.011
1/12/09	13.000	0.014
1/5/09	3.900	0.013